

Abstract

A first device receives and processes signals from a communication link that supports a plurality of signal protocols. The device comprises a converter, coupled to the communication link, that outputs a sampled data stream, and a digital filter that filters the sampled data stream to separate signals associated with different signal protocols. A second device receives a first input sampled data stream representative of a first signal to be transmitted and associated with a first signal protocol and a second input sampled data stream representative of a second signal to be transmitted and associated with a second signal protocol, and combines the data streams into an output data stream which may be coupled to the communication link.